



U.S. DEPARTMENT OF
ENERGY

Center for direct Catalytic Conversion of Biomass to Biofuels (C3Bio) Maureen McCann (Purdue University)

Summary statement: C3Bio aims to develop transformational technologies for the direct conversion of plant lignocellulosic biomass to biofuels and other biobased products, currently derived from oil, by the use of new chemical catalysts and thermal treatments.



RESEARCH PLAN AND DIRECTIONS

We will maximize the energy and carbon efficiencies of advanced biofuels production by the design of both thermal and chemical conversion processes and the biomass itself. Impacts are to *more than double* the carbon captured into fuel molecules and *expand* the product range to alkanes and other energy-rich fuels.